

STN

10/660,823

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(FILE 'HOME' ENTERED AT 14:31:41 ON 24 SEP 2004)
SET ABBREV ON
SET PLURAL ON

FILE 'CA' ENTERED AT 14:34:03 ON 24 SEP 2004

E MAHDESSIAN JOHN/AU

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L1 2 S STAIN(3W)REMOVAL(3W) (KIT OR PACK?)
L2 9 S STAIN(3W)REMOVAL(P) (KIT OR PACK?)
L3 28 S STAIN(3W)REMOV?(P) (KIT OR PACK?)
L4 0 S RINS?(5W) (SOLUTION OR FORMULATION OR AGENT) (P) STAIN(W)GUIDE
L5 0 S RINS?(5W) (SOLUTION OR FORMULATION OR AGENT) AND STAIN(5A)GUID
L6 5 S STAIN(5A)GUIDE
L7 0 S (VAPOR OR VAPOUR) (5A)IMPERVIOUS(P) (KIT OR PACK? OR COMBINATIO
L8 12 S (VAPOR OR VAPOUR) (5A)IMPERVIOUS(P) (KIT OR PACK? OR COMBINATIO

FILE 'USPATFULL' ENTERED AT 15:02:43 ON 24 SEP 2004

L9 10 S L1
L10 59 S L2
L11 1 S L3 AND L4
L12 1 S L5
L13 48 S L6
L14 88 S L7

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2 12 all

L2 ANSWER 2 OF 9 CA COPYRIGHT 2004 ACS on STN

Full Text	Citing References
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AN 138:305818 CA

ED Entered STN: 08 May 2003

TI **Stain removal** method, stain removing composition, and stain removing kit

IN Hokuno, Koichi; Miyasaki, Yoshitaka; Kuroda, Hideo

PA Lion Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 19 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM C11D017-04

ICS C11D003-43; D06L001-04

CC 46-5 (Surface Active Agents and Detergents)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003105399	A2	20030409	JP 2001-299420	20010928
PRAI	JP 2001-299420		20010928		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 2003105399	ICM	C11D017-04
	ICS	C11D003-43; D06L001-04

OS MARPAT 138:305818

AB Stains on fabrics are removed by stain removing compns. comprising aq. org. solvents and surfactants using absorbent pads with water absorption 7500 g/m² and water absorption rate 70.05 g/s. Thus, a stain remover aq. compn. with pH 7.0 comprising diethylene glycol Et ether 15, Leosolv 703B 1, polyoxyethylene alkyl ether 1, Amisol LDE 1, Si antifoaming agent 0.1, and Briquest ADPA 60A chelating agent 0.1% and an absorbent pad comprising a polyethylene porous film layer, a rayon nonwoven fabric layer, and a polypropylene sheet layer were used to remove lip stick and india ink stain showing good stain removability without forming ring stain or stain remover stain.

ST stain remover glycol aq solvent surfactant absorbent pad

IT Alcohols, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(C12-14-secondary, ethoxylated, Leocol SC 50, surfactants; stain removers and absorbent pads therefor)

IT Nonwoven fabrics

(absorbent pads comprising; stain removers and absorbent pads therefor)

IT Polyoxyalkylenes, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(alkyl ethers, optionally sulfate derivs., surfactant; stain removers and absorbent pads therefor)

IT Amides, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(coco, N,N-bis(hydroxyethyl), Homelead CD, surfactants; stain removers and absorbent pads therefor)

IT Glycols, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(ethers, alkyl, solvents; stain removers and absorbent pads therefor)

IT Polyester fibers, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(fabrics, blends with rayon, nonwoven, absorbent pads comprising; stain removers and absorbent pads therefor)

TI Stain removers
 PA Collo Rheincollodium Koeln G.m.b.H. Werk Hersel
 SO Neth. Appl., 9 pp.
 CODEN: NAXXAN
 DT Patent
 LA Dutch
 IC D06L
 CC 46 (Surface Active Agents and Detergents)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	NL 6612788		19670328	NL	
	DE 1467574			DE	
	FR 1492624			FR	
PRAI DE			19650924		

CLASS

	PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
	NL 6612788	IC	D06L
AB	<p>Liq. detergents are impregnated into synthetic or natural surface-active materials, such as cellulose wadding, microcellular material, fiber fleeces, or open-celled plastic foams to obtain stain removers for different stains, such as motor oils, Coca-Cola, margarine, inks, red wines, tomato juices, etc., from cotton, silk, wool/polyester blends, polyacrylonitrile, or polyamide fabrics. For example, a cellulose wadding roll (0.5 g. total wt., 1 cm. outside diam., 4 cm. length) was made from a cellulose crepe paper (20 g./m.2) and a H2O-absorbable, mercerized cotton card fleece (30 g./m.2). After soaking of 0.3 g. mixt. contg. glycol acid butyl ester 5, methoxybutyl acetate 10, Emulphor P (a fatty alkyl polyglycol ether) 7, Akcopon T 70, Pluronic L-44 (propylene oxide-ethylene oxide polyglycol ether) 3, triethanolamine 2, CM-cellulose 5, and H2O 95 parts by wt. at one end of the roll, the roll was packed in a polyethylene film and was ready for use.</p>		
ST	<p>COTTON STAIN REMOVERS; POLYESTER WOOL STAIN REMOVERS; POLYAMIDE FABRIC STAIN REMOVERS; DETERGENTS-SURFACTANTS CLEANERS; SILK STAIN REMOVERS; WOOL-POLYESTER STAIN REMOVERS; SURFACTANTS DETERGENTS CLEANERS; STAIN REMOVING COMPSNS; POLYACRYLONITRILE STAIN REMOVERS</p>		
IT	<p>Stains</p>		
IT	<p>(removal of, detergent-impregnated cellular plastics and textiles for)</p>		
IT	<p>Detergents, uses and miscellaneous</p>		
IT	<p>(stain removers from cellular plastics and textiles impregnated with)</p>		
IT	<p>Textiles</p>		
	<p>Fiber, synthetic</p>		
	<p>Plastics, cellular</p>		
	<p>RL: USES (Uses)</p>		
	<p>(stain removers from detergent-impregnated)</p>		